

AMENDMENTS TO THE CLAIMS

The following is a listing of claims in the Application.

LISTING OF CLAIMS

Claims 1-4, 13 and 19 (cancelled).

Claims 5-12, 14-18 and 20-24 (previously presented).

Claims 25-30 (new).

IN THE CLAIMS:

Please cancel without prejudice Claims 1-4, 13 and 19 and add the following claims:

Claim 25. A method of testing at least two distinctive ionic conductive liquids flowing in a milk line system at different times comprising measuring flow of electrical current between the same electrodes in said system when said liquid is milk to determine the wholesomeness of the milk and when the liquid is a rinsing fluid to determine the completeness of the rinsing process, said milk line system having been cleaned by a fluid containing hydrogen peroxide.

Claim 26. A method in accordance with Claim 25, wherein said milk line system includes a plurality of teat cups, milk from each said teat cup being received in a separate milk line, said same electrodes comprising a pair of electrodes, respectively in each said milk line, each said pair of electrodes separately transmitting data to a computer as to the wholesomeness of milk in each corresponding said milk line during the milking operation and further transmitting data to said computer during a rinsing operation concerning the completeness of the rinsing process of each said milk line.

Claim 27. A method in accordance with Claim 26, including the step of securing all but of one said milk lines during the rinsing operation so that only one of said milk lines is being rinsed at a time in succession.

Claim 28. A method in accordance with Claim 25, comprising maintaining the temperature of said rinsing fluid at a constant temperature during the milking operation.

Claim 29. A method in accordance with Claim 12, comprising raising the temperature of said rinsing water to about 78° C and maintaining said rinsing water at a selected constant temperature while flowing in said milk line system.

Claim 30. A method in accordance with Claim 16, comprising a further step of controlling a temperature of said rinsing fluid so that it is within a range of about 32° to 42° C.